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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/090,256	03/01/2002	Robert E. Eccles	X-1082 US	4114
24309	7590	02/21/2006	EXAMINER	
XILINX, INC ATTN: LEGAL DEPARTMENT 2100 LOGIC DR SAN JOSE, CA 95124			TAT, BINH C	
			ART UNIT	PAPER NUMBER
			2825	

DATE MAILED: 02/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	<b>Application No.</b> 10/090,256	<b>Applicant(s)</b> ECCLES ET AL	
	<b>Examiner</b> Binh C. Tat	<b>Art Unit</b> 2825	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 03 February 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This office action is in response to application 10/090256 02/03/06.

Claim 1-24 remain pending in the application.

#### ***Continued Examination Under 37 CFR 1.114***

1. A Request for Continued Examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on February 03 2006 has been entered.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Richardson et al. (US Patent 6606735).

3. As to claims 1, and 10, Richardson et al. teach a method for generating a rule-based file, comprising: obtaining a rule document (see fig 1, element 111); generating a table file from the rule document (col. 7 lines 22-23, fig 4 element 403); obtaining a parameterized rule file having logical operations associated with design rule names (see fig 1 element 122 or 150); and replacing the design rules names in the parameterized design rule file with respective design rule

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values in the table file, corresponding to the design rules names (see fig 1-4 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14, Especially col 7 line 15 to col 12 line 58)

4. As to claims 2 Richardson et al. teach wherein the parameterized rule file is selected from a design rule document, a layout versus schematic document, an extraction technology document, and a technology file (see fig 1 element 122 or 150).

5. As to claims 3, Richardson et al. teach wherein the rule document is a first design rule document, and wherein the parameterized rule file is a parameterized design rule check file (see fig 1, element 111, 122 or 150; col. 4 lines 54-56).

6. As to claims 4, and 11, Richardson et al. teach wherein the step of generating a table file comprises: converting the first design rule document into a text file (see fig 3a-3b col 6 line 24 to col 7 lines 14); checking for a rule indicator in the text file; and replacing information adjacent to the rule indicator with a design rule value for a design rule found with the rule indicator (see fig 3a-3b col 6 line 24 to col 7 lines 14)

7. As to claims 5, and 12, Richardson et al. teach wherein the step of replacing the design rule names comprises: comparing the design rule names in the parameterized design rule check file with corresponding design rule names in the table file to obtain the design rule values(see fig 3a-3b col 6 line 24 to col 7 lines 14); and generating a design rule check file having the logical operation associated with the design rule values.

8. As to claims 6, and 13, Richardson et al. teach wherein the step of replacing information comprises selecting the information from a first type of information (see col 5 to col 7).

9. As to claims 7, and 14, Richardson et al. teach further comprising: storing the design rule check file (see fig 1-3 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14); checking for a second

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type of information; and repeating the step of replacing the design rule names using the second type of information to provide another design rule check file (see fig 1-4 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14 and col 9 lines 49 to col 12 liens 58).

**10.** As to claims 8, and 17, Richardson et al. teach further comprising: checking for a second design rule document (see fig 1-3 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14); repeating the step of generating using the second design rule document to provide another design rule check file (see fig 1-4 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14 and col 9 lines 49 to col 12 liens 58).

**11.** As to claims 9, and 18, Richardson et al. teach wherein the second design rule document is for scaling to accommodate lithography (see fig 1-3 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14).

**12.** As to claims 15, Richardson et al. teach wherein the first rule document is a spreadsheet (see fig 1-3 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14).

**13.** As to claims 16, Richardson et al. teach wherein the first type of information and the second type of information correspond to different columns of the rule values in the spreadsheet (see fig 1-3 col 5 to col 7).

**14.** As to claims 19, Richardson et al. teach wherein the second rule document is a second design rule document for a second minimum dimension lithography different from the first minimum dimension lithography (see fig 1-4 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14 and col 9 lines 49 to col 12 liens 58).

**15.** As to claims 20, Richardson et al. teach wherein the first minimum dimension lithography is for an embedded core, and the second minimum dimension lithography is for a

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host integrated circuit device comprising the embedded core (see fig 1-4 col 4 line 10-40 and col 5 lines 36 to col 6 lines 14 and col 9 lines 49 to col 12 lines 58).

*16.* As to claims 21, Richardson et al. teach A data structure, comprising: a plurality of logical operations, the plurality of logical operations associated with respective rules names, wherein each of the rule names comprises a rule indicator (see col. 5 lines 36-50).

*17.* As to claims 22, Richardson et al. teach wherein the rules names are unique with respect to one another (see col. 5 lines 36-50).

*18.* As to claims 23, Richardson et al. teach wherein the data structure is a parameterized rule file ((see col. 5 lines 36-50 and background).

*19.* As to claims 24, Richardson et al. teach wherein the rule names are from a document of a type selected from design rule document, layout versus schematic document and extraction technology document (see col. 5 lines 36-50).

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***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh C. Tat whose telephone number is (703) 305-4855. The examiner can normally be reached on 7:30 - 4:00 (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew Smith can be reached on (703) 308-1323. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Binh Tat  
Art unit 2825  
February 16, 2006

*Thuan Do*  
THUAN DO  
Primary examiner.  
02/17/06